

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A glass/plastic composite film for use in electronic components and devices such as displays, said composite film comprising: a glass film having opposed side surfaces and a thickness of between 10 μm and 500 μm and a non-self supporting polymer layer coating applied on at least one of said side surfaces of said glass film with a thickness of between 1 μm and 200 μm , with the polymer ~~layer~~ coating being applied directly to said at least one of said side surfaces, and wherein at least one side of said composite film has an optical retardation that is not more than 20 nm.

Claim 2 (previously presented): A glass/plastic composite film as claimed in claim 1, wherein at least one side surface of said composite film has a waviness of less than 100 nm.

Claim 3 (previously presented): A glass/plastic composite film as claimed in claim 2, wherein at least one side surface of said composite film has a roughness of $R_T > 30$ nm.

Claim 4 (previously presented): A glass/plastic composite film as claimed in claims 1, wherein both sides of said composite film have a surface with a waviness of less than 100 nm and a roughness R_T of less than 30 nm.

Claim 5 (previously presented): A glass/plastic composite film as claimed in claim 1, wherein the glass thickness is 10 to 400 μm .

Claim 6 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein the thickness of the polymer ~~layer~~ coating is 2 to 100 μm .

Claim 7 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein the polymer ~~layer~~ coating covers ~~on~~ at least one edge of said glass film.

Claim 8 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein the polymer ~~layer~~ coating has a modulus of elasticity of $< 5,000 \text{ N/mm}^2$.

Claim 9 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein the transmission of the glass/plastic composite film is more than 90% of the transmission of said glass film when said glass film is uncoated and the haziness caused by the polymer ~~layer~~ coating increases the haziness of the composite film by less than 1% in comparison to said glass film when said glass film is uncoated.

Claim 10 (previously presented): A glass/composite film as claimed in claim 1, wherein said at least one side of said composite film has a surface wherein the roughness of the surface is $R_T \leq 20 \text{ nm}$, the waviness of the surface is $\leq 80 \text{ nm}$, and the optical retardation of said at least one side of said composite film is not more than 15 nm.

Claim 11 (previously presented): A glass/plastic composite film as claimed in one of the claims 1 to 10, wherein the composite film is temperature-stable up to 130°C , and up to 140°C in the case of short-term heating.

Claim 12 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein the polymer ~~layer~~ coating consists of a silicone polymer, a sol-gel polymer, a polycarbonate, a polyether sulphone, a polyacrylate, a polyimide, a cyclo-olefine polymer or a polyarylate.

Claim 13 (previously presented): A glass/plastic composite film as claimed in claim 1, wherein the glass film consists of a borosilicate glass.

Claim 14 (withdrawn): A method for producing a glass/plastic composite film as claimed in claim 1 with the following steps:

- the production of a glass film of a thickness of 10 to 500 μm in the down-draw process with a drawing speed of 2 to 12 m/s;
- pretreatment of the glass film surface;
- direct application of a polymer layer with a thickness of 1 to 200 μm in the liquid phase;
- serialization of the polymer-coated glass film.

Claim 15 (withdrawn): A method for producing a glass/plastic composite film as claimed in claim 1 with the following steps:

- the production of a glass film of a thickness of 10 to 500 μm in the down-draw process with a drawing speed of 2 to 12 m/s;
- serialization of the glass film;
- pretreatment of the glass film surface;
- direct application of a polymer layer with a thickness of 1 to 200 μm in the liquid phase.

Claim 16 (withdrawn): A method as claimed in claim 15, characterized in that the application of the polymer layer is performed by spinning or by spray spinning.

Claim 17 (withdrawn): A method as claimed in claim 14, characterized in that the application of the polymer layer is performed by casting or rolling or spraying or dipping.

Claim 18 (withdrawn): A method as claimed in claim 14, characterized in that at least one edge is coated in addition to the side surface.

Claim 19 (withdrawn): A method as claimed in claim 14, characterized in that a glass film is produced with a thickness of 10 to 400 μm , preferably 10 to 200 μm , more preferably 10 to 100 μm , in the glass production line in the down-draw process.

Claim 20 (withdrawn): A method as claimed in claim 14, characterized in that the coating leads to a polymer layer thickness of 2 to 100 μm , preferably 2 to 50 μm .

Claim 21 (withdrawn): A method as claimed in claim 14, characterized in that the surface treatment is performed before the coating as UV radiation in an ozonic atmosphere or as a corona treatment or as flaming.

Claim 22 (withdrawn): A method as claimed in claim 14, characterized in that after the coating, the polymer coating is cured with the help of UV radiation and/or is dried under the influence of heat.

Claim 23 (withdrawn): A method as claimed in claim 14, characterized in that a silicone polymer, a sol-gel polymer, a polycarbonate, a polyether sulphone, a polyacrylate, a polyimide, a cyclo-olefine copolymer or a polyarylate are applied as a polymer.

Claim 24 (withdrawn): A method as claimed in claim 14, characterized in that a borosilicate glass, preferably an alkali-free borosilicate glass, preferably an alkali-free borosilicate glass, is used for the production of the glass film.

Claim 25 (currently amended): The application of the glass/plastic composite film as claimed in claim 1 for the production of a display comprising one of a liquid crystal display and a light-emitting ~~layer~~ coating display wherein said display is adapted for use in electronic components and optoelectronic devices.

Claim 26 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein said polymer ~~layer~~ coating thickness is between 1 μm and 100 μm .

Claim 27 (previously presented): A glass/plastic composite film as claimed in claim 1, wherein said glass film thickness is between 10 μm and 200 μm .

Claim 28 (previously presented): A glass/plastic composite film as claimed in claim 1, wherein said glass film thickness is between 10 μm and 100 μm .

Claim 29 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein said polymer ~~layer~~ coating thickness is between 2 μm and 50 μm .

Claim 30 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein said polymer ~~layer~~ coating has a modulus of elasticity of less than 2,600 N/mm².

Claim 31 (currently amended): A glass/plastic composite film as claimed in claim 1, wherein said polymer ~~layer~~ coating has a modulus of elasticity of less than 1,500 N/mm².

Claim 32 (previously presented): A glass/plastic composite film as claimed in claim 10, wherein said roughness of the surface is $R_T \leq 10 \text{ nm}$.

Claim 33 (previously presented): A glass/plastic composite film as claimed in claim 10, wherein said waviness of the surface is $\leq 50 \text{ nm}$.

Claim 34 (previously presented): A glass/plastic composite film as claimed in claim 11, wherein the composite film is temperature stable up to 180°C in the case of short term heating.

Claim 35 (previously presented): A glass/plastic composite film as claimed in claim 11, wherein the composite film is temperature stable up to 200°C in the case of short term heating.

Claim 36 (previously presented): A glass/plastic composite film as claimed in claim 1, wherein the glass film consists of an alkali free borosilicate glass.

Claim 37 (currently amended): A glass/plastic composite film for use in electronic components and devices such as displays, said composite film comprising: a glass film having opposed side surfaces and a thickness of between 10 μm and 500 μm and a non-self supporting polymer ~~layer~~ coating applied on at least one of said side surfaces of said glass film with a thickness of between 1 μm and 200 μm with the polymer ~~layer~~ coating

being coated directly to at least one of said side surfaces, and wherein at least one side of said composite film has an optical retardation that is not more than 20 nm.

Claim 38 (previously presented): A glass/plastic composite film as claimed in claim 37 wherein at least one side surface of said composite film has a waviness of less than 100 nm.

Claim 39 (previously presented): A glass/plastic composite film as claimed in claim 38 wherein the at least one side surface of said composite film has a roughness $R_T > \text{nm}$ $R_T > 30 \text{ nm}$.

Claim 40 (previously presented): A glass/plastic composite film as claimed in claim 37 wherein both side surfaces of said composite film have a waviness of less than 100 nm and a roughness R_T of less than 30 nm.

Claim 41 (previously presented): A glass/plastic film as claimed in claim 37 wherein the glass thickness is 10 to 400 μm .

Claim 42 (currently amended): A glass/plastic composite film as claimed in claim 37 wherein the thickness of the polymer ~~layer~~ coating is 2 to 100 μm .

Claim 43 (currently amended): A glass/plastic composite film as claimed in claim 37 wherein the polymer ~~layer~~ coating also covers at least one edge of said glass film.

Claim 44 (currently amended): A glass/plastic composite film as claimed in claim 37 wherein the polymer ~~layer~~ coating has a modulus of elasticity of $< 5,000 \text{ N/mm}^2$.

Claim 45 (currently amended): A glass/plastic composite film as claimed in claim 37 wherein the transmission of the glass/plastic composite film is more than 90% of the transmission of said glass film when said glass film is uncoated and the haziness caused

by the polymer ~~layer~~ coating increases the haziness of the composite film by less than 1% in comparison to said glass film when said glass film is uncoated.

Claim 46 (previously presented): A glass/plastic composite film as claimed in claim 37 wherein said at least one side of said composite film has a surface wherein the roughness of the surface R_T is ≤ 20 nm, the waviness of the surface is ≤ 80 nm, and the optical retardation of said at least one side of said composite film is not more than 15 nm.

Claim 47 (previously presented): A glass/plastic composite film as claimed in claim 46, wherein said roughness of the surface is $R_T \leq 10$ nm.

Claim 48 (previously presented): A glass/plastic composite film as claimed in claim 46, wherein said waviness of the surface is ≤ 50 nm.

Claim 49 (previously presented): A glass/plastic composite film as claimed in claim 37 wherein the composite film is temperature-stable up to 130°C, and up to 140°C in the case of short-term heating.

Claim 50 (previously presented): A glass/plastic composite film as claimed in claim 49, wherein the composite film is temperature stable up to 180°C in the case of short term heating.

Claim 51 (previously presented): A glass/plastic composite film as claimed in claim 49, wherein the composite film is temperature stable up to 200°C in the case of short term heating.

Claim 52 (currently amended): A glass/plastic composite film as claimed in claim 37 wherein the polymer ~~layer~~ coating consists of a silicone polymer, a sol-gel polymer, a polycarbonate, a polyether sulphone, a polyacrylate, a polyimide, a cyclo-olefine polymer or a polyarylate.

Claim 53 (previously presented): A glass/plastic composite film as claimed in claim 37 wherein the glass film consists of a borosilicate glass.

Claim 54 (currently amended): A glass/plastic composite film as claimed in claim 37, wherein said polymer ~~layer~~ coating thickness is between 1 μm and 100 μm .

Claim 55 (previously presented): A glass/plastic composite film as claimed in claim 37, wherein said glass film thickness is between 10 μm and 200 μm .

Claim 56 (previously presented): A glass/plastic composite film as claimed in claim 37, wherein said glass film thickness is between 10 μm and 100 μm .

Claim 57 (currently amended): A glass/plastic composite film as claimed in claim 37, wherein said polymer ~~layer~~ coating thickness is between 2 μm and 50 μm .

Claim 58 (currently amended): A glass/plastic composite film as claimed in claim 37, wherein said polymer ~~layer~~ coating has a modulus of elasticity of less than 2,600 N/mm².

Claim 59 (currently amended): A glass/plastic composite film as claimed in claim 37, wherein said polymer ~~layer~~ coating has a modulus of elasticity of less than 1,500 N/mm².

Claim 60 (previously presented): A glass/plastic composite film as claimed in claim 37, wherein the glass film consists of an alkali free borosilicate glass.

Claim 61 (currently amended): A glass/plastic composite film for use in electronic components and devices such as displays, said composite film comprising a glass film having opposed side surfaces and a thickness of between 10 μm and 500 μm and a non-self supporting polymer ~~layer~~ coating applied on at least one of said side surfaces of said glass film with a thickness of between 1 μm and 200 μm with the polymer ~~layer~~ coating being coated directly to at least one of said side surfaces, and wherein at least one side of said composite film has an optical retardation that is not more than 20 nm and wherein

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coating the polymer ~~layer~~ coating directly to at least one of said side surfaces is selected from the group of spinning, spray spinning, casting, rolling, spraying or dipping.

Claim 62 (currently amended): A glass/plastic composite film as claimed in claim 61 wherein said polymer ~~layer~~ coating has a thickness of between 1 μm and 100 μm .